Junhua Li

List of Publications by Year
in descending order

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297 papers	26,565 citations	4146 87 h-index	7950 149 g-index
299 all docs	299 docs citations	299 times ranked	10914 citing authors

#	Article	IF	Citations
1	Drivers of improved PM _{2.5} air quality in China from 2013 to 2017. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 24463-24469.	7.1	1,193
2	Low-temperature selective catalytic reduction of NOx with NH3 over metal oxide and zeolite catalystsâ€”A review. Catalysis Today, 2011, 175, 147-156.	4.4	811
3	DRIFT Study on Ceriumâˆ’Tungsten/Titiania Catalyst for Selective Catalytic Reduction of NO_{<i>x</i>} with NH₃. Environmental Science & Technology, 2010, 44, 9590-9596.	10.0	642
4	Promotional Effect of Ce-doped V₂O₅-WO₃/TiO₂ with Low Vanadium Loadings for Selective Catalytic Reduction of NO<i>_x</i> by NH₃. Journal of Physical Chemistry C, 2009, 113, 21177-21184.	3.1	430
5	Low temperature selective catalytic reduction of NO with NH3 over Mnâ€“Fe spinel: Performance, mechanism and kinetic study. Applied Catalysis B: Environmental, 2011, 110, 71-80.	20.2	429
6	Comparison of the performance for oxidation of formaldehyde on nano-Co3O4, 2D-Co3O4, and 3D-Co3O4 catalysts. Applied Catalysis B: Environmental, 2013, 142-143, 677-683.	20.2	406
7	Promoting effect of MoO3 on the NOx reduction by NH3 over CeO2/TiO2 catalyst studied with in situ DRIFTS. Applied Catalysis B: Environmental, 2014, 144, 90-95.	20.2	400
8	Comparative study of Î±-, Î²-, Î³- and Î´-MnO2 on toluene oxidation: Oxygen vacancies and reaction intermediates. Applied Catalysis B: Environmental, 2020, 260, 118150.	20.2	400
9	Improvement of Activity and SO₂ Tolerance of Sn-Modified MnO_{<i>x</i>}â€“CeO₂ Catalysts for NH₃-SCR at Low Temperatures. Environmental Science & Technology, 2013, 47, 5294-5301.	10.0	378
10	Novel Mnâ€“Ceâ€“Ti Mixed-Oxide Catalyst for the Selective Catalytic Reduction of NO_{<i>x</i>} with NH₃. ACS Applied Materials & Interfaces, 2014, 6, 14500-14508.	8.0	367
11	The poisoning effect of alkali metals doping over nano V2O5â€“WO3/TiO2 catalysts on selective catalytic reduction of NOx by NH3. Chemical Engineering Journal, 2011, 170, 531-537.	12.7	341
12	Positive Effects of K⁺ Ions on Three-Dimensional Mesoporous Ag/Co₃O₄ Catalyst for HCHO Oxidation. ACS Catalysis, 2014, 4, 2753-2762.	11.2	329
13	Catalytically Active Singleâ€Atom Sites Fabricated from Silver Particles. Angewandte Chemie - International Edition, 2012, 51, 4198-4203.	13.8	323
14	Novel effect of SO2 on the SCR reaction over CeO2: Mechanism and significance. Applied Catalysis B: Environmental, 2013, 136-137, 19-28.	20.2	312
15	Enhanced activity of tungsten modified CeO2/TiO2 for selective catalytic reduction of NOx with ammonia. Catalysis Today, 2010, 153, 77-83.	4.4	300
16	Identification of the active sites on CeO2â€“WO3 catalysts for SCR of NOx with NH3: An in situ IR and Raman spectroscopy study. Applied Catalysis B: Environmental, 2013, 140-141, 483-492.	20.2	295
17	In situ DRIFTS and temperature-programmed technology study on NH3-SCR of NO over Cu-SSZ-13 and Cu-SAPO-34 catalysts. Applied Catalysis B: Environmental, 2014, 156-157, 428-437.	20.2	293
18	Characterization of commercial Cu-SSZ-13 and Cu-SAPO-34 catalysts with hydrothermal treatment for NH3-SCR of NOx in diesel exhaust. Chemical Engineering Journal, 2013, 225, 323-330.	12.7	283

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19	Hierarchical Coreâ€“Shell Al₂O₃@Pd-CoAlO Microspheres for Low-Temperature Toluene Combustion. ACS Catalysis, 2016, 6, 3433-3441.	11.2	273
20	A Facile Method for in Situ Preparation of the MnO₂/LaMnO₃ Catalyst for the Removal of Toluene. Environmental Science & Technology, 2016, 50, 4572-4578.	10.0	272
21	Origination of N2O from NO reduction by NH3 over Î²-MnO2 and Î±-Mn2O3. Applied Catalysis B: Environmental, 2010, 99, 156-162.	20.2	262
22	Relationship between structure and performance of a novel cerium-niobium binary oxide catalyst for selective catalytic reduction of NO with NH3. Applied Catalysis B: Environmental, 2013, 142-143, 290-297.	20.2	255
23	Enhancement of Activity and Sulfur Resistance of CeO₂ Supported on TiO₂â€“SiO₂ for the Selective Catalytic Reduction of NO by NH₃. Environmental Science & Technology, 2012, 46, 6182-6189.	10.0	253
24	New Insight into SO₂ Poisoning and Regeneration of CeO₂â€“WO₃/TiO₂ and V₂O₅â€“WO₃/TiO₂ Catalysts for Low-Temperature NH₃â€“SCR. Environmental Science & Technology, 2018, 52, 7064-7071.	10.0	236
25	Low temperature selective catalytic reduction of NO with NH3 over amorphous MnO catalysts prepared by three methods. Catalysis Communications, 2007, 8, 329-334.	3.3	233
26	Removal of Antimonite (Sb(III)) and Antimonate (Sb(V)) from Aqueous Solution Using Carbon Nanofibers That Are Decorated with Zirconium Oxide (ZrO₂). Environmental Science & Technology, 2015, 49, 11115-11124.	10.0	233
27	Roles of Oxygen Vacancies in the Bulk and Surface of CeO₂ for Toluene Catalytic Combustion. Environmental Science & Technology, 2020, 54, 12684-12692.	10.0	231
28	Mechanism of N₂O Formation during the Low-Temperature Selective Catalytic Reduction of NO with NH₃ over Mnâ€“Fe Spinel. Environmental Science & Technology, 2014, 48, 10354-10362.	10.0	225
29	Novel V2O5â€“CeO2/TiO2 catalyst with low vanadium loading for the selective catalytic reduction of NO by NH3. Applied Catalysis B: Environmental, 2014, 158-159, 11-19.	20.2	218
30	Recent Advances in Catalysts for Methane Combustion. Catalysis Surveys From Asia, 2015, 19, 140-171.	2.6	208
31	Pdâ€“Co based spinel oxides derived from pd nanoparticles immobilized on layered double hydroxides for toluene combustion. Applied Catalysis B: Environmental, 2016, 181, 236-248.	20.2	207
32	Three-dimensionally ordered macroporous La0.6Sr0.4MnO3 with high surface areas: Active catalysts for the combustion of methane. Journal of Catalysis, 2013, 307, 327-339.	6.2	206
33	Alkali Metal Poisoning of a CeO₂â€“WO₃ Catalyst Used in the Selective Catalytic Reduction of NO_{<i>x</i>} with NH₃: an Experimental and Theoretical Study. Environmental Science & Technology, 2012, 46, 2864-2869.	10.0	200
34	MnO supported on Feâ€“Ti spinel: A novel Mn based low temperature SCR catalyst with a high N2 selectivity. Applied Catalysis B: Environmental, 2016, 181, 570-580.	20.2	199
35	Progress in research on catalysts for catalytic oxidation of formaldehyde. Chinese Journal of Catalysis, 2016, 37, 102-122.	14.0	189
36	Activity enhancement of WO3 modified Fe2O3 catalyst for the selective catalytic reduction of NO by NH3. Chemical Engineering Journal, 2016, 299, 255-262.	12.7	188

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37	Effects of precursors on the surface Mn species and the activities for NO reduction over MnO /TiO2 catalysts. Catalysis Communications, 2007, 8, 1896-1900.	3.3	186
38	A superior catalyst with dual redox cycles for the selective reduction of NOx by ammonia. Chemical Communications, 2013, 49, 7726.	4.1	182
39	Selective Dissolution of Aâ€Site Cations in ABO₃ Perovskites: A New Path to Highâ€Performance Catalysts. Angewandte Chemie - International Edition, 2015, 54, 7954-7957.	13.8	180
40	Deactivation and regeneration of a commercial SCR catalyst: Comparison with alkali metals and arsenic. Applied Catalysis B: Environmental, 2015, 168-169, 195-202.	20.2	180
41	Feâ€“Ti spinel for the selective catalytic reduction of NO with NH3: Mechanism and structureâ€“activity relationship. Applied Catalysis B: Environmental, 2012, 117-118, 73-80.	20.2	178
42	Dispersion of tungsten oxide on SCR performance of V2O5WO3/TiO2: Acidity, surface species and catalytic activity. Chemical Engineering Journal, 2013, 225, 520-527.	12.7	177
43	Efficient Electrochemical Nitrate Reduction to Ammonia with Copperâ€Supported Rhodium Cluster and Singleâ€Atom Catalysts. Angewandte Chemie - International Edition, 2022, 61, .	13.8	170
44	Low-temperature SCR of NO with NH3 over AC/C supported manganese-based monolithic catalysts. Catalysis Today, 2007, 126, 406-411.	4.4	160
45	Shape dependence and sulfate promotion of CeO2 for selective catalytic reduction of NO with NH3. Applied Catalysis B: Environmental, 2018, 232, 246-259.	20.2	160
46	Effect of Sn on MnO â€“CeO2 catalyst for SCR of NO by ammonia: Enhancement of activity and remarkable resistance to SO2. Catalysis Communications, 2012, 27, 54-57.	3.3	155
47	A high-efficiency Î³-MnO₂-like catalyst in toluene combustion. Chemical Communications, 2015, 51, 14977-14980.	4.1	153
48	Mechanism of arsenic poisoning on SCR catalyst of CeW/Ti and its novel efficient regeneration method with hydrogen. Applied Catalysis B: Environmental, 2016, 184, 246-257.	20.2	149
49	Three-Dimensional Ordered Mesoporous MnO₂-Supported Ag Nanoparticles for Catalytic Removal of Formaldehyde. Environmental Science & Technology, 2016, 50, 2635-2640.	10.0	148
50	Effects of Precursor and Sulfation on OMS-2 Catalyst for Oxidation of Ethanol and Acetaldehyde at Low Temperatures. Environmental Science & Technology, 2010, 44, 4282-4287.	10.0	146
51	Recent advances in the selective catalytic reduction of NOx by hydrogen in the presence of oxygen. Energy and Environmental Science, 2012, 5, 8799.	30.8	145
52	Structureâ€“activity relationship of VOx/CeO2 nanorod for NO removal with ammonia. Applied Catalysis B: Environmental, 2014, 144, 538-546.	20.2	144
53	A novel Ceâ€“Ta mixed oxide catalyst for the selective catalytic reduction of NOx with NH3. Applied Catalysis B: Environmental, 2015, 176-177, 338-346.	20.2	142
54	Deactivation Mechanism of Potassium on the V₂O₅/CeO₂ Catalysts for SCR Reaction: Acidity, Reducibility and Adsorbed-NO_{<i>x</i>}. Environmental Science & Technology, 2014, 48, 4515-4520.	10.0	137

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55	Removal of gaseous elemental mercury over a CeO2â€“WO3/TiO2 nanocomposite in simulated coal-fired flue gas. Chemical Engineering Journal, 2011, 170, 512-517.	12.7	135
56	Novel nanowire self-assembled hierarchical CeO2 microspheres for low temperature toluene catalytic combustion. Chemical Engineering Journal, 2018, 331, 425-434.	12.7	135
57	Design Strategies for Development of SCR Catalyst: Improvement of Alkali Poisoning Resistance and Novel Regeneration Method. Environmental Science & Technology, 2012, 46, 12623-12629.	10.0	134
58	CeO2â€“WO3 Mixed Oxides for the Selective Catalytic Reduction of NO x by NH3 Over a Wide Temperature Range. Catalysis Letters, 2011, 141, 1859-1864.	2.6	132
59	Controllable redox-induced in-situ growth of MnO2 over Mn2O3 for toluene oxidation: Active heterostructure interfaces. Applied Catalysis B: Environmental, 2020, 278, 119279.	20.2	131
60	Catalytic Performance, Characterization, and Mechanism Study of Fe₂(SO₄)₃/TiO₂ Catalyst for Selective Catalytic Reduction of NOx by Ammonia. Journal of Physical Chemistry C, 2011, 115, 7603-7612.	3.1	130
61	Templateâ€free Scalable Synthesis of Flowerâ€like Co_{3â€<i>x</i>}Mn_{<i>x</i>}O₄ Spinel Catalysts for Toluene Oxidation. ChemCatChem, 2018, 10, 3429-3434.	3.7	125
62	Low content of CoOx supported on nanocrystalline CeO2 for toluene combustion: The importance of interfaces between active sites and supports. Applied Catalysis B: Environmental, 2019, 240, 329-336.	20.2	124
63	The role of the Cu dopant on a Mn3O4 spinel SCR catalyst: Improvement of low-temperature activity and sulfur resistance. Chemical Engineering Journal, 2020, 387, 124090.	12.7	124
64	Mechanism of Propene Poisoning on Fe-ZSM-5 for Selective Catalytic Reduction of NO_{<i>x</i>} with Ammonia. Environmental Science & Technology, 2010, 44, 1799-1805.	10.0	118
65	Improvement of the Activity of Î³-Fe₂O₃ for the Selective Catalytic Reduction of NO with NH₃ at High Temperatures: NO Reduction versus NH₃ Oxidization. Industrial & Engineering Chemistry Research, 2013, 52, 5601-5610.	3.7	118
66	Comparison of MoO3 and WO3 on arsenic poisoning V2O5/TiO2 catalyst: DRIFTS and DFT study. Applied Catalysis B: Environmental, 2016, 181, 692-698.	20.2	117
67	Multipollutant Control (MPC) of Flue Gas from Stationary Sources Using SCR Technology: A Critical Review. Environmental Science & Technology, 2021, 55, 2743-2766.	10.0	117
68	The relationship between structure and activity of MoO3â€“CeO2 catalysts for NO removal: influences of acidity and reducibility. Chemical Communications, 2013, 49, 6215.	4.1	113
69	Enhanced low-temperature activity of LaMnO3 for toluene oxidation: The effect of treatment with an acidic KMnO4. Chemical Engineering Journal, 2019, 366, 92-99.	12.7	112
70	Ammonia adsorption on graphene and graphene oxide: a first-principles study. Frontiers of Environmental Science and Engineering, 2013, 7, 403-411.	6.0	111
71	Facile surface improvement method for LaCoO₃ for toluene oxidation. Catalysis Science and Technology, 2018, 8, 3166-3173.	4.1	111
72	The effect of SiO2 on a novel CeO2â€“WO3/TiO2 catalyst for the selective catalytic reduction of NO with NH3. Applied Catalysis B: Environmental, 2013, 140-141, 276-282.	20.2	110

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73	Surface Tuning of La_{0.5}Sr_{0.5}CoO₃ Perovskite Catalysts by Acetic Acid for NO_{<i>x</i>} Storage and Reduction. Environmental Science & Technology, 2016, 50, 6442-6448.	10.0	108
74	Investigation of the Poisoning Mechanism of Lead on the CeO₂â€”WO₃ Catalyst for the NH₃â€“SCR Reaction via in Situ IR and Raman Spectroscopy Measurement. Environmental Science & Technology, 2016, 50, 9576-9582.	10.0	106
75	Using Transient FTIR Spectroscopy to Probe Active Sites and Reaction Intermediates for Selective Catalytic Reduction of NO on Cu/SSZ-13 Catalysts. ACS Catalysis, 2019, 9, 6137-6145.	11.2	105
76	Comparison on the Performance of Î±-Fe2O3 and Î³-Fe2O3 for Selective Catalytic Reduction of Nitrogen Oxides with Ammonia. Catalysis Letters, 2013, 143, 697-704.	2.6	101
77	Low temperature complete combustion of methane over cobalt chromium oxides catalysts. Catalysis Today, 2013, 201, 12-18.	4.4	100
78	Chemical poison and regeneration of SCR catalysts for NO x removal from stationary sources. Frontiers of Environmental Science and Engineering, 2016, 10, 413-427.	6.0	100
79	Insight into Deactivation of Commercial SCR Catalyst by Arsenic: An Experiment and DFT Study. Environmental Science & Technology, 2014, 48, 13895-13900.	10.0	98
80	Excellent Activity and Selectivity of One-Pot Synthesized Cuâ€“SSZ-13 Catalyst in the Selective Catalytic Oxidation of Ammonia to Nitrogen. Environmental Science & Technology, 2018, 52, 4802-4808.	10.0	95
81	N₂ Selectivity of NO Reduction by NH₃ over MnO_{<i>x</i>}â€“CeO₂: Mechanism and Key Factors. Journal of Physical Chemistry C, 2014, 118, 21500-21508.	3.1	92
82	Ceria promotion on the potassium resistance of MnOx/TiO2 SCR catalysts: An experimental and DFT study. Chemical Engineering Journal, 2015, 269, 44-50.	12.7	92
83	Synthesis, characterization and catalytic activities of vanadiumâ€“cryptomelane manganese oxides in low-temperature NO reduction with NH3. Applied Catalysis A: General, 2011, 393, 323-330.	4.3	91
84	Comparison of preparation methods for ceria catalyst and the effect of surface and bulk sulfates on its activity toward NH3-SCR. Journal of Hazardous Materials, 2013, 262, 782-788.	12.4	90
85	Substitution of WO₃in V₂O₅/WO₃â€“TiO₂by Fe₂O₃for selective catalytic reduction of NO with NH3. Catalysis Science and Technology, 2013, 3, 161-168.	4.1	90
86	Impacts of Pb and SO₂ Poisoning on CeO₂â€“WO₃/TiO₂â€“SiO₂ SCR Catalyst. Environmental Science & Technology, 2017, 51, 11943-11949.	10.0	90
87	Ge, Mn-doped CeO2â€“WO3 catalysts for NH3â€“SCR of NOx: Effects of SO2 and H2 regeneration. Catalysis Today, 2013, 201, 139-144.	4.4	89
88	Three-Dimensionally Ordered Macroporous La_{0.6}Sr_{0.4}MnO₃ Supported Ag Nanoparticles for the Combustion of Methane. Journal of Physical Chemistry C, 2014, 118, 14913-14928.	3.1	89
89	Regeneration of Commercial SCR Catalysts: Probing the Existing Forms of Arsenic Oxide. Environmental Science & Technology, 2015, 49, 9971-9978.	10.0	89
90	Ce-Sn binary oxide catalyst for the selective catalytic reduction of NOx by NH3. Applied Surface Science, 2018, 428, 526-533.	6.1	89

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91	Improvement of catalytic activity and sulfur-resistance of Ag/TiO2â€“Al2O3 for NO reduction with propene under lean burn conditions. Applied Catalysis B: Environmental, 2008, 80, 202-213.	20.2	88
92	Reaction Pathway Investigation on the Selective Catalytic Reduction of NO with NH₃ over Cu/SSZ-13 at Low Temperatures. Environmental Science & Technology, 2015, 49, 467-473.	10.0	87
93	Different exposed facets VO /CeO2 catalysts for the selective catalytic reduction of NO with NH3. Chemical Engineering Journal, 2018, 349, 184-191.	12.7	86
94	The deactivation mechanism of toluene on MnOx-CeO2 SCR catalyst. Applied Catalysis B: Environmental, 2020, 277, 119257.	20.2	86
95	In Situ Modulation of Aâ€Site Vacancies in LaMnO_{3.15} Perovskite for Surface Lattice Oxygen Activation and Boosted Redox Reactions. Angewandte Chemie - International Edition, 2021, 60, 26747-26754.	13.8	85
96	Sodium-promoted Ag/CeO2 nanospheres for catalytic oxidation of formaldehyde. Chemical Engineering Journal, 2018, 350, 419-428.	12.7	84
97	Air pollution and its control in China. Frontiers of Environmental Science and Engineering in China, 2007, 1, 129-142.	0.8	82
98	Mechanism of Selective Catalytic Reduction of NOx with NH3 over CeO2-WO3 Catalysts. Chinese Journal of Catalysis, 2011, 32, 836-841.	14.0	82
99	High calcium resistance of CeO 2 â€“WO 3 SCR catalysts: Structure investigation and deactivation analysis. Chemical Engineering Journal, 2017, 317, 70-79.	12.7	82
100	The poisoning mechanism of gaseous HCl on low-temperature SCR catalysts: MnO â^’CeO2 as an example. Applied Catalysis B: Environmental, 2020, 267, 118668.	20.2	82
101	Design Strategies for CeO₂â€“MoO₃ Catalysts for DeNO_{<i>x</i>} and Hg⁰ Oxidation in the Presence of HCl: The Significance of the Surface Acidâ€“Base Properties. Environmental Science & Technology, 2015, 49, 12388-12394.	10.0	81
102	Identification of active sites and reaction mechanism on low-temperature SCR activity over Cu-SSZ-13 catalysts prepared by different methods. Catalysis Science and Technology, 2016, 6, 6294-6304.	4.1	81
103	Alloying effect-induced electron polarization drives nitrate electroreduction to ammonia. Chem Catalysis, 2021, 1, 1088-1103.	6.1	80
104	Novel MoO3/CeO2â€“ZrO2 catalyst for the selective catalytic reduction of NOx by NH3. Catalysis Communications, 2015, 65, 51-54.	3.3	79
105	NH3-SCR performance of WO3 blanketed CeO2 with different morphology: Balance of surface reducibility and acidity. Catalysis Today, 2019, 332, 42-48.	4.4	79
106	MnO -CeO2 supported on Cu-SSZ-13: A novel SCR catalyst in a wide temperature range. Applied Catalysis A: General, 2017, 547, 146-154.	4.3	78
107	Design Strategies for P-Containing Fuels Adaptable CeO₂â€“MoO₃ Catalysts for DeNO_{<i>x</i>}: Significance of Phosphorus Resistance and N₂ Selectivity. Environmental Science & Technology, 2013, 47, 11692-11699.	10.0	77
108	Competition of selective catalytic reduction and non selective catalytic reduction over MnO_x/TiO₂for NO removal: the relationship between gaseous NO concentration and N₂O selectivity. Catalysis Science and Technology, 2014, 4, 224-232.	4.1	76

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109	Correlation of the changes in the framework and active Cu sites for typical Cu/CHA zeolites (SSZ-13) Tj ETQq1 1 0.784314 rgBT /Overlo	2.8	76
110	Performance and Mechanism of Photocatalytic Toluene Degradation and Catalyst Regeneration by Thermal/UV Treatment. Environmental Science & Technology, 2020, 54, 14465-14473.	10.0	76
111	OMS-2 Catalysts for Formaldehyde Oxidation: Effects of Ce and Pt on Structure and Performance of the Catalysts. Catalysis Letters, 2009, 131, 500-505.	2.6	75
112	Deactivation Mechanism of Multipoisons in Cement Furnace Flue Gas on Selective Catalytic Reduction Catalysts. Environmental Science & Technology, 2019, 53, 6937-6944.	10.0	75
113	High activity and wide temperature window of Feâ€Cuâ€SSZâ€13 in the selective catalytic reduction of NO with ammonia. AICHE Journal, 2015, 61, 3825-3837.	3.6	74
114	Synergistic Promotion Effect between NO_{<i>x</i>} and Chlorobenzene Removal on MnO_{<i>x</i>}â€“CeO₂ Catalyst. ACS Applied Materials & Interfaces, 2018, 10, 30426-30432.	8.0	74
115	Extraordinary Deactivation Offset Effect of Arsenic and Calcium on CeO₂â€“WO₃ SCR Catalysts. Environmental Science & Technology, 2018, 52, 8578-8587.	10.0	73
116	Promoter rather than Inhibitor: Phosphorus Incorporation Accelerates the Activity of V₂O₅â€“WO₃/TiO₂ Catalyst for Selective Catalytic Reduction of NO_{<i>x</i>} by NH₃. ACS Catalysis, 2020, 10, 2747-2753.	11.2	73
117	Synthesis of three-dimensional ordered mesoporous MnO2 and its catalytic performance in formaldehyde oxidation. Chinese Journal of Catalysis, 2016, 37, 27-31.	14.0	72
118	Interaction of phosphorus with a FeTiOx catalyst for selective catalytic reduction of NOx with NH3: Influence on surface acidity and SCR mechanism. Chemical Engineering Journal, 2018, 347, 173-183.	12.7	72
119	Theory and practice of metal oxide catalyst design for the selective catalytic reduction of NO with NH3. Catalysis Today, 2021, 376, 292-301.	4.4	71
120	Boosting the Catalytic Performance of CeO₂ in Toluene Combustion via the Ceâ€“Ce Homogeneous Interface. Environmental Science & Technology, 2021, 55, 12630-12639.	10.0	71
121	Role of Lattice Oxygen and Lewis Acid on Ethanol Oxidation over OMS-2 Catalyst. Journal of Physical Chemistry C, 2010, 114, 10544-10550.	3.1	69
122	Highly active and stable interface derived from Pt supported on Ni/Fe layered double oxides for HCHO oxidation. Catalysis Science and Technology, 2017, 7, 1573-1580.	4.1	69
123	Review of Sulfur Promotion Effects on Metal Oxide Catalysts for NO_{<i>x</i>} Emission Control. ACS Catalysis, 2021, 11, 13119-13139.	11.2	69
124	Structural effects of iron spinel oxides doped with Mn, Co, Ni and Zn on selective catalytic reduction of NO with NH3. Journal of Molecular Catalysis A, 2013, 376, 13-21.	4.8	68
125	Effects of anaerobic SO2 treatment on nano-CeO2 of different morphologies for selective catalytic reduction of NOx with NH3. Chemical Engineering Journal, 2020, 382, 122910.	12.7	68
126	Identification of the arsenic resistance on MoO3 doped CeO2/TiO2 catalyst for selective catalytic reduction of NOx with ammonia. Journal of Hazardous Materials, 2016, 318, 615-622.	12.4	67

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127	Performance of Modified La_{<i>x</i>}Sr_{1â€“<i>x</i>}MnO₃ Perovskite Catalysts for NH₃ Oxidation: TPD, DFT, and Kinetic Studies. Environmental Science & Technology, 2018, 52, 7443-7449.	10.0	67
128	Selective catalytic reduction of NO with NH₃ over novel ironâ€“tungsten mixed oxide catalyst in a broad temperature range. Catalysis Science and Technology, 2015, 5, 4556-4564.	4.1	65
129	Comparison of the Structures and Mechanism of Arsenic Deactivation of CeO₂â€“MoO₃ and CeO₂â€“WO₃ SCR Catalysts. Journal of Physical Chemistry C, 2016, 120, 18005-18014.	3.1	64
130	Probing Active-Site Relocation in Cu/SSZ-13 SCR Catalysts during Hydrothermal Aging by In Situ EPR Spectroscopy, Kinetics Studies, and DFT Calculations. ACS Catalysis, 2020, 10, 9410-9419.	11.2	64
131	Dechlorination of chlorobenzene on vanadium-based catalysts for low-temperature SCR. Chemical Communications, 2018, 54, 2032-2035.	4.1	63
132	Deactivation performance and mechanism of alkali (earth) metals on V2O5â€“WO3/TiO2 catalyst for oxidation of gaseous elemental mercury in simulated coal-fired flue gas. Catalysis Today, 2011, 175, 189-195.	4.4	62
133	Characterization of CeO2â€“WO3 catalysts prepared by different methods for selective catalytic reduction of NO with NH3. Catalysis Communications, 2013, 40, 145-148.	3.3	61
134	Ultra hydrothermal stability of CeO2-WO3/TiO2 for NH3-SCR of NO compared to traditional V2O5-WO3/TiO2 catalyst. Catalysis Today, 2015, 258, 11-16.	4.4	61
135	Enhancement of N2O decomposition performance by N2O pretreatment over Ce-Co-O catalyst. Chemical Engineering Journal, 2018, 347, 184-192.	12.7	61
136	Catalytic combustion of methane over cerium-doped cobalt chromite catalysts. Catalysis Today, 2011, 175, 216-222.	4.4	60
137	Hollow-Structural Ag/Co₃O₄ Nanocatalyst for CO Oxidation: Interfacial Synergistic Effect. ACS Applied Nano Materials, 2019, 2, 3480-3489.	5.0	60
138	A novel mechanism for poisoning of metal oxide SCR catalysts: baseâ€“acid explanation correlated with redox properties. Chemical Communications, 2014, 50, 10031-10034.	4.1	59
139	Sn-doped rutile TiO2 for vanadyl catalysts: Improvements on activity and stability in SCR reaction. Applied Catalysis B: Environmental, 2020, 269, 118797.	20.2	57
140	Studies on toluene adsorption performance and hydrophobic property in phenyl functionalized KIT-6. Chemical Engineering Journal, 2018, 334, 191-197.	12.7	56
141	Manganese doped CeO2â€“WO3 catalysts for the selective catalytic reduction of NO with NH3: An experimental and theoretical study. Catalysis Communications, 2012, 19, 127-131.	3.3	55
142	Bridging the reaction route of toluene total oxidation and the structure of ordered mesoporous Co 3 O 4 : The roles of surface sodium and adsorbed oxygen. Catalysis Today, 2017, 297, 173-181.	4.4	54
143	Multi-pollutant control (MPC) of NO and chlorobenzene from industrial furnaces using a vanadia-based SCR catalyst. Applied Catalysis B: Environmental, 2021, 285, 119835.	20.2	54
144	A novel magnetic Feâ€“Tiâ€“V spinel catalyst for the selective catalytic reduction of NO with NH3 in a broad temperature range. Catalysis Science and Technology, 2012, 2, 915.	4.1	53

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145	Surface In Situ Doping Modification over Mn₂O₃ for Toluene and Propene Catalytic Oxidation: The Effect of Isolated Cu^{Î´+} Insertion into the Mezzanine of Surface MnO₂ Cladding. ACS Applied Materials & Interfaces, 2021, 13, 2753-2764.	8.0	53
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